SPANDANA REDDY DARA

Software Engineer with 3+ years of experience in building full-stack web applications.

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WORK EXPERIENCE

Software Engineer Co-op, QuickBase, Boston   *July 2024 - Present*

- Created **Image Gallery** feature by leveraging **C++**, **React** and **Fetch API** to retrieve images from database and implemented Lightbox component with features like zoom, rotate, download and maximize, enhancing image interaction.
- Built **Safety Cross** Plugin with dynamic, color-coded calendar for daily issue reporting, featuring plus-sign interface, enhancing issue tracking efficiency. Spiked **Redux** store and custom hooks for state management and reduce code redundancy by **20%**.
- Ensured quality by performing unit testing in **Jest** and maintained **> 95%** code coverage of large-scale codebase.
- Actively participated in **30+** code reviews providing feedback to optimize project outcomes.

Product Engineer Intern, ESRI, California   *May 2024 - Jun 2024*

- Optimized **JUnit harness** for daily regression of **2000+** tests on ArcGIS Pro by mitigating pipeline failures caused by single test JVM crashes and implemented real-time failure notifications with Teams **Webhook** integration on **Jenkins**.
- Achieved **20s** reduction in query setup time by enabling developers to create and save filtered views in **C#** and **Vue.js**, eliminating repetitive records filtering. Integrated logging of developer actions for visibility into changes and communication for bug resolution.
- Developed new features using **TypeScript** in **Doctopia Markdown**, a VS Code extension used for documentation creation from .md files.

Software Engineer, Deloitte, India   *Jan 2021 - Dec 2022*

- Designed data models, UI, and developed **B2C e-commerce** platforms using SAP Hybris, Java, JavaScript, React. Enhanced features like product search, customer profile, orders, checkout flow and payment integrations.
- **Led end-to-end development** of personalized shopping links feature enabling distributors generate custom links for customers to purchase products directly, **enhancing sales** and distributor performance tracking.
- Conceptualized and delivered Customer Saved Cards Dashboard using **Spring, REST API, React and Angular**, incorporating auto-expiration card removal feature. This led to **5%** improvement in transaction efficiency.
- Played crucial role in devising **Groovy** script to remediate missing entries in **1M+** customer records.
- Automated monthly **recurring order processing** for wholesale customers, improving operational efficiency and ensuring timely order fulfillment. Streamlined code deployment in Dev and QA through **CI/CD** pipelines, optimizing project delivery.
- Boosted sales by **10%** by customizing a promotion for loyalty program members that provided discounts on seasonal products.
- Crafted tailored training materials for a month-long program, guiding **4** interns in mastering Java, Spring, and SAP Hybris. Shared materials with other project teams, amplifying organizational impact.
- Integrated **SonarQube** code analysis tool to fix **150+** code issues and improved code coverage with **JUNIT** and **PIT**.

TECHNICAL SKILLS

Programming Languages	Java, Python, JavaScript, TypeScript, C#, C++, SQL
Frameworks	Spring Boot, Hibernate, React, Node.js, Angular, Vue.js, JUnit, Jest
Databases & Cloud	MySQL, MongoDB, Map Reduce, Scala, Docker, Jenkins, Azure, AWS Certified
Others	SAP Hybris, Microservices, Git, Postman, Maven, Linux, Splunk, Jira

PROEJCTS

Social Sphere (Spring Boot, Hibernate, DAO, MySQL)   *Mar 2024 - May 2024*

- Developed social connectivity app on **Spring Boot** by leveraging **Hibernate, OOPS** and **design patterns**, reducing data retrieval latency by **10%.** Key features include friend requests, tweet posting, comments, and private messaging.
- Incorporated **DAO** pattern to encapsulate data access logic, resulting in **20%** reduction in code complexity.

AI-Tee Designer   *July 2024 - Aug 2024*

- Built an AI-powered T-shirt customizer web app using **React.js**, **Three.js**, and **Stable Diffusion API** to generate personalized designs, creating an immersive and interactive e-commerce experience.

EDUCATION

Northeastern University, Khoury College of Computer Sciences, Boston, MA   *Jan 2023 - May 2025*

Master of Science, Computer Science (GPA: 3.7/4.0)

VNR Vignana Jyothi Institute of Engineering and Technology, India   *Aug 2016 - Sep 2020*

Bachelor of Technology, Electronics and Communication Engineering (GPA: 9.24/10.0)